

# USER MANUAL

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# DisplayPort to VGA Converter

## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## 1.0 INTRODUCTION

This is a DisplayPort to VGA signal format converter for interfacing next generation DisplayPort based PC and notebook computers with conventional VGA displays, such as CRT, LCD monitors, and projectors. DisplayPort offers a unified, scalable, and cost effective interface for embedded and external display applications. As desktop and notebook PCs are increasingly transitioning from conventional analog type interfaces to DisplayPort, the converter facilitates the transition by offering seamless connectivity between new DisplayPort PC and notebooks and the installed base VGA monitors and projectors.

It offers solutions for digital entertainment center, projector factory, noisy space and security concerns, conference room presentation, school and corporate training environments.

## 1.1 FEATURES

This DisplayPort to VGA converter has many features that enable it to perform in a superior manner. Among those features you will find:

- DisplayPort 1.1a compliant receiver offering 5.4 Gbps bandwidth over 2 lanes
- Integrated triple 10-bit, 162 MHz video DAC for analog VGA signal output
- Supports up to 1080p, 1920 x 1200 reduced blanking video resolution
- EDID pass-through from PC source to display
- Spread Spectrum (de-spreading) for EMI reduction
- Automatic sink detection
- Low power standby mode operation initiated based on sink detection status
- Powered from DisplayPort source
- 3.3V IO, 1.2V Core
- Low power operation – Active 400mW, standby mode 15mW

Note: For few display cards, the image would not appear until the PC enters into Windows from DOS at the time of restarting.

## 2.0 SPECIFICATIONS

<b>Signal Inputs/Output</b>	
Maximum Single Link Range	1920X1200, 1080P
<b>Video format supported</b>	
VGA	Max to1920x1200
<b>Operating Frequency</b>	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	162MHz
<b>Mechanical</b>	
Size(L×W×H)	68X35X19.5MM
Weight(Net)	22g
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
Operating Temperature	0 °C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90 % RH (no condensation)
<b>Power Requirement</b>	No
<b>Accessories Adapter</b>	
User Manual	English Version

**Note:** Specifications are subject to change without notice.

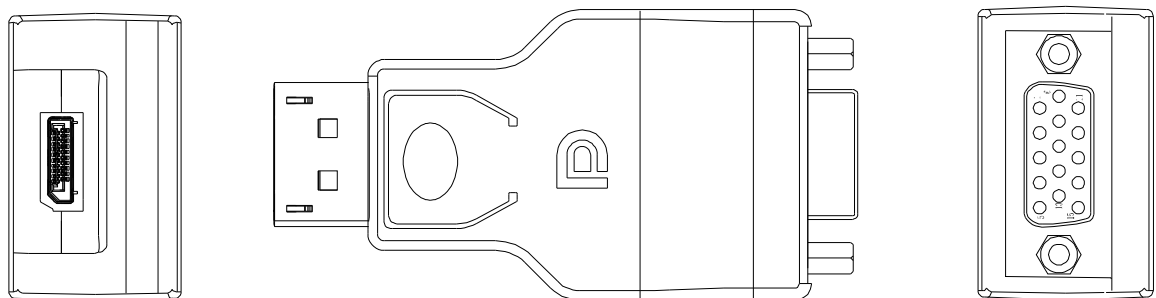
## 3.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- I Main unit.
- I User's Manual

## 4.0 PANEL DESCRIPTIONS

Please study the panel drawings below and become familiar with the structure.



## 5.0 CONNECTION AND OPERATION

- 1) Connect the DisplayPort male to DisplayPort source device
- 2) Connect the VGA female to display by VGA M/M cable  
If you use DisplayPort F/F coupler, please use special DisplayPort cable with 20th pin connected

**Attention: Insert / Extract gently.**

### 5.1 CONNECTION DIAGRAM

